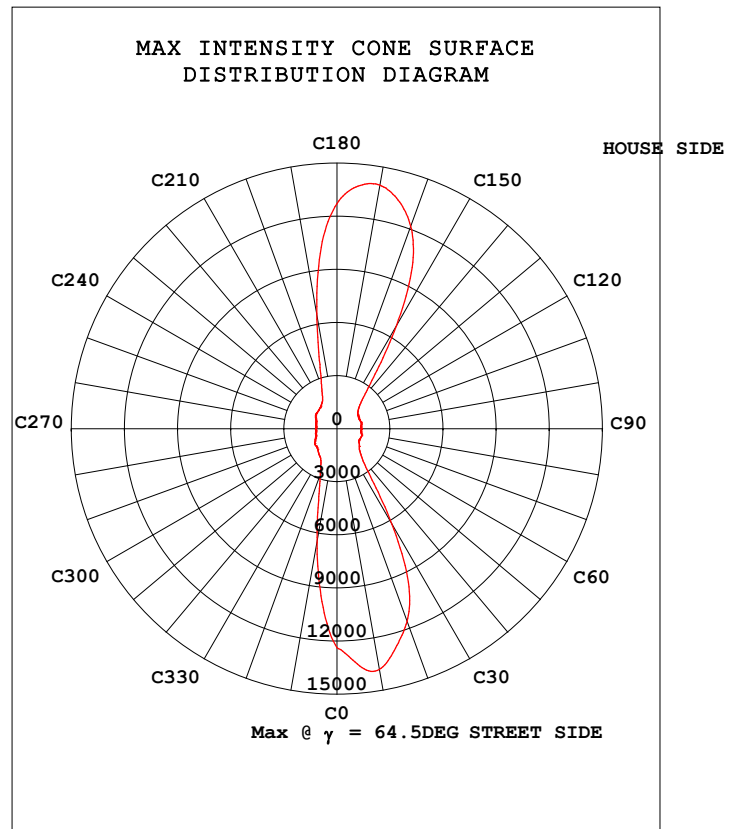
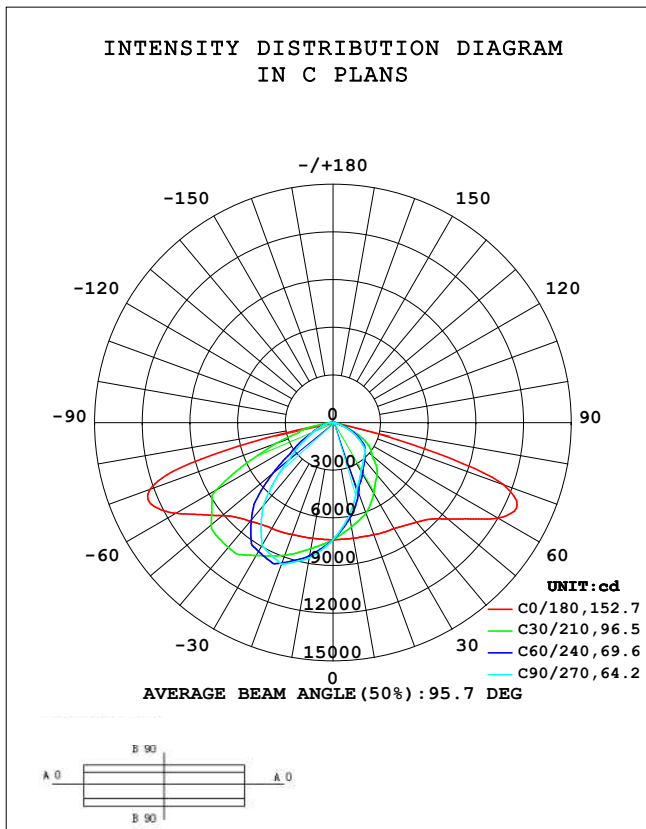


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.8394A P:181.4W PF:0.9788 Lamp Flux:25470.7x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.43 lm/W			
MODEL	LED	Imax(cd)	13978	η street_up(%)	0.0
NOMINAL POWER(W)	180	LOR(%)	100.0	η street_down(%)	51.1
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	25471	η house_up(%)	0.0
NOMINAL FLUX(lm)	25470.7	MAXIMUM @ (C, γ)	170,64.5	η house_down(%)	48.9
LAMPS INSIDE	1	η up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	η down(%)	100.0	SLI	19.902



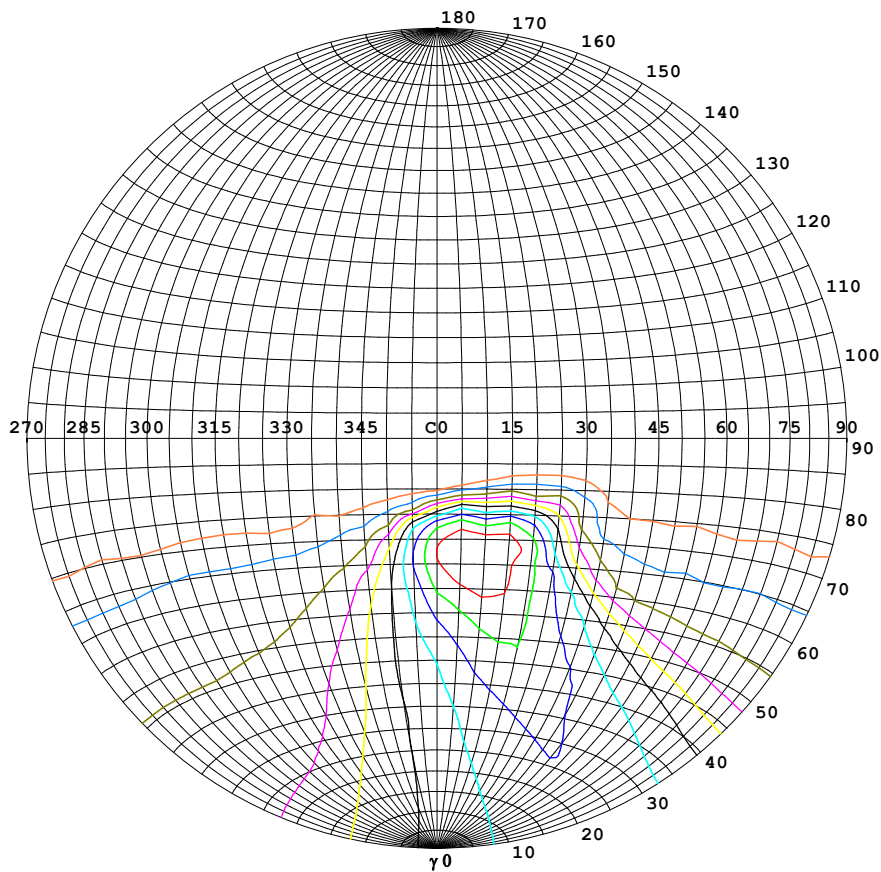
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.8394A P:181.4W PF:0.9788 Lamp Flux:25470.7x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



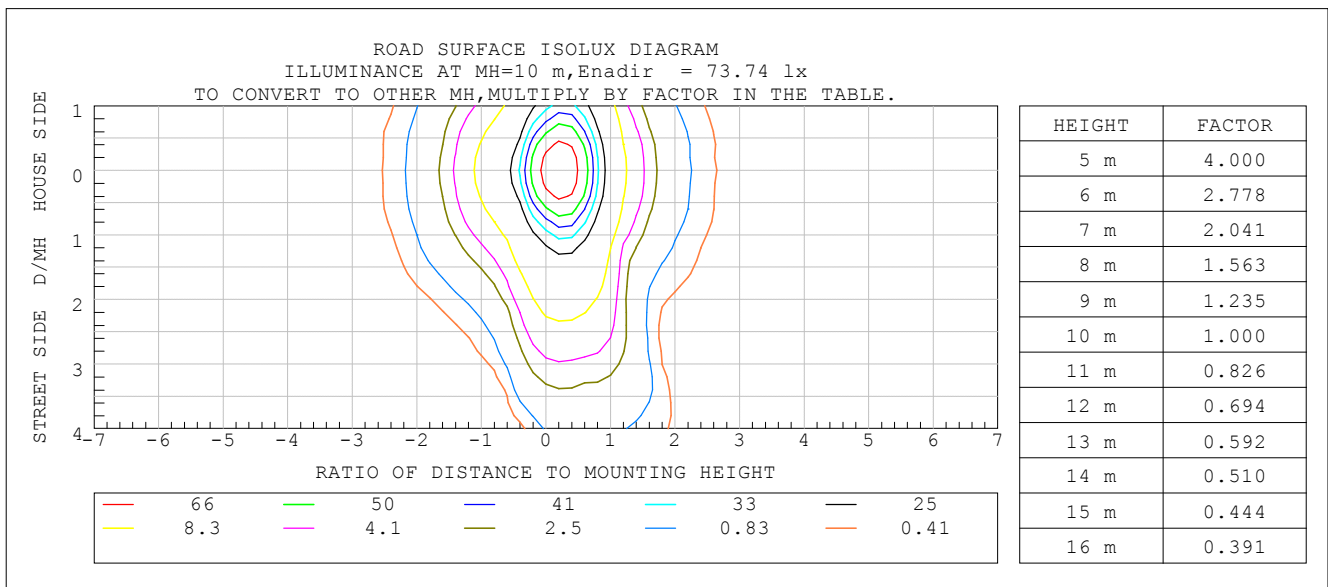
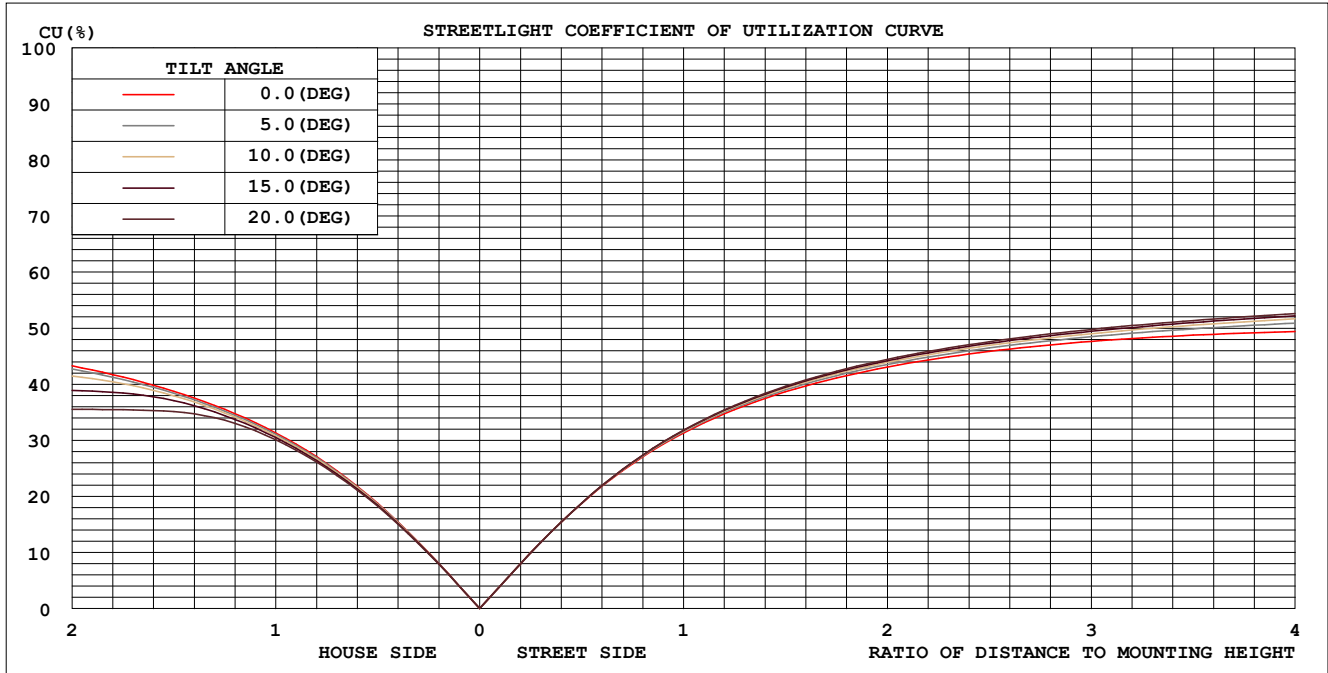
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:93.24cd/klm
Max.At90:4.215cd/klm
Max.80-90:93.24cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	13978
90%	12581
80%	11183
70%	9785
60%	8387
50%	6989
40%	5591
30%	4194
20%	2796
10%	1398
5%	699

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.8394A P:181.4W PF:0.9788 Lamp Flux:25470.7x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

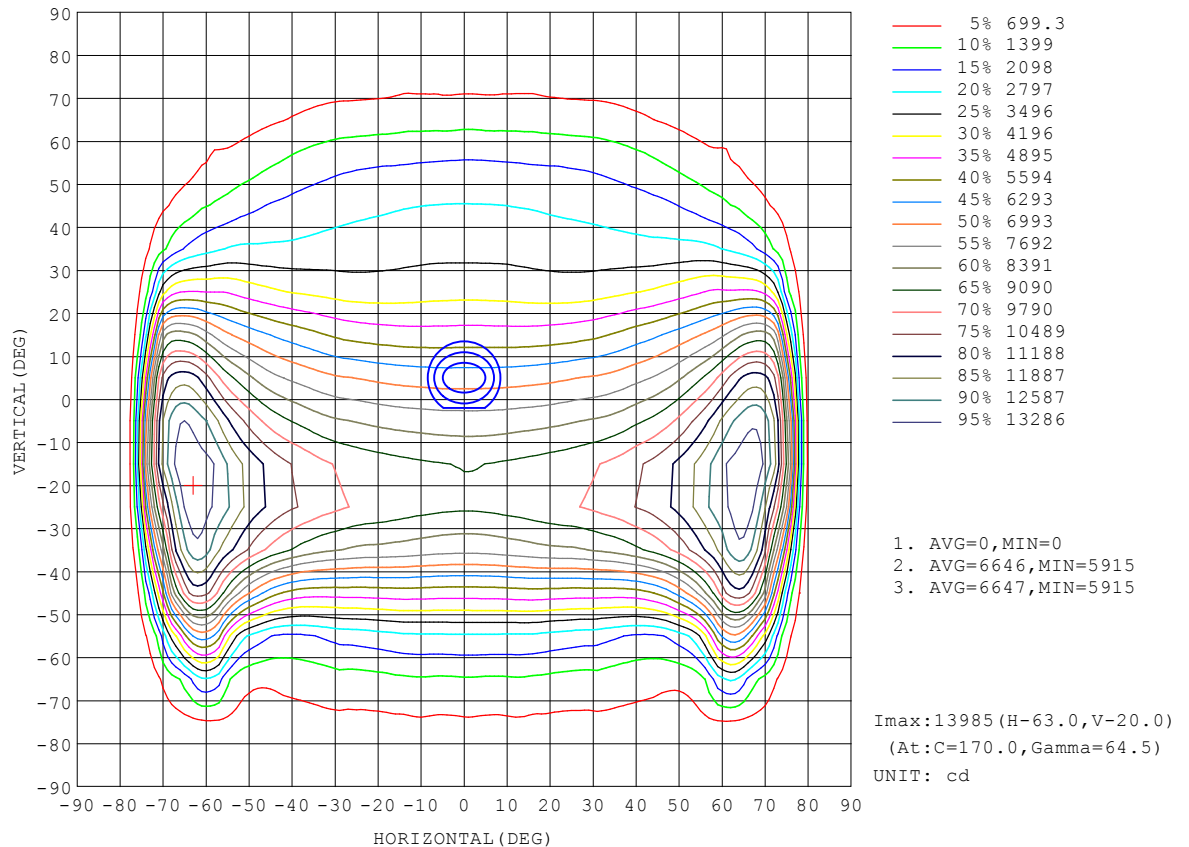
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
5	737.7	782.7	800.9	782.9	736.6	685.3	664.7	686.1	0- 5	175.8	175.8	0.69,0.69
10	739.5	830.4	864.4	832.4	739.2	635.6	592.0	635.1	5- 10	525.0	700.8	2.75,2.75
15	743.5	880.2	906.3	883.1	742.5	586.5	515.8	584.7	10- 15	868.3	1569	6.16,6.16
20	750.5	920.9	948.3	921.6	751.2	525.8	439.7	524.6	15- 20	1198	2768	10.9,10.9
25	761.3	964.3	921.4	964.1	761.6	458.7	396.3	457.1	20- 25	1509	4276	16.8,16.8
30	770.0	978.9	894.5	976.9	769.6	407.5	352.9	406.8	25- 30	1788	6064	23.8,23.8
35	783.8	963.7	789.8	960.8	790.3	369.7	326.8	369.6	30- 35	2029	8093	31.8,31.8
40	810.9	933.8	685.1	934.4	818.6	329.0	300.6	330.0	35- 40	2216	10309	40.5,40.5
45	846.0	838.0	521.5	837.6	860.2	303.1	282.9	305.7	40- 45	2337	12647	49.7,49.7
50	911.0	729.0	357.9	729.2	944.2	269.9	265.2	275.8	45- 50	2365	15012	58.9,58.9
55	1010	510.4	270.5	506.3	1057	240.4	216.5	247.7	50- 55	2318	17330	68,68
60	1141	275.4	183.1	266.7	1203	204.5	167.7	213.3	55- 60	2221	19551	76.8,76.8
65	1245	175.3	133.9	169.4	1274	140.6	116.9	151.4	60- 65	2065	21616	84.9,84.9
70	1224	102.3	84.57	95.03	1141	82.57	66.10	91.74	65- 70	1817	23433	92,92
75	782.9	68.20	61.30	64.08	424.5	42.47	38.36	45.68	70- 75	1319	24752	97.2,97.2
80	51.15	43.82	38.03	40.86	25.08	22.11	10.62	23.71	75- 80	561.8	25314	99.4,99.4
85	19.33	12.39	0	11.80	9.282	4.809	0	5.171	80- 85	136.7	25451	99.9,99.9
90	10.74	0	0	0	8.554	0	0	0	85- 90	20.03	25471	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:×10cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

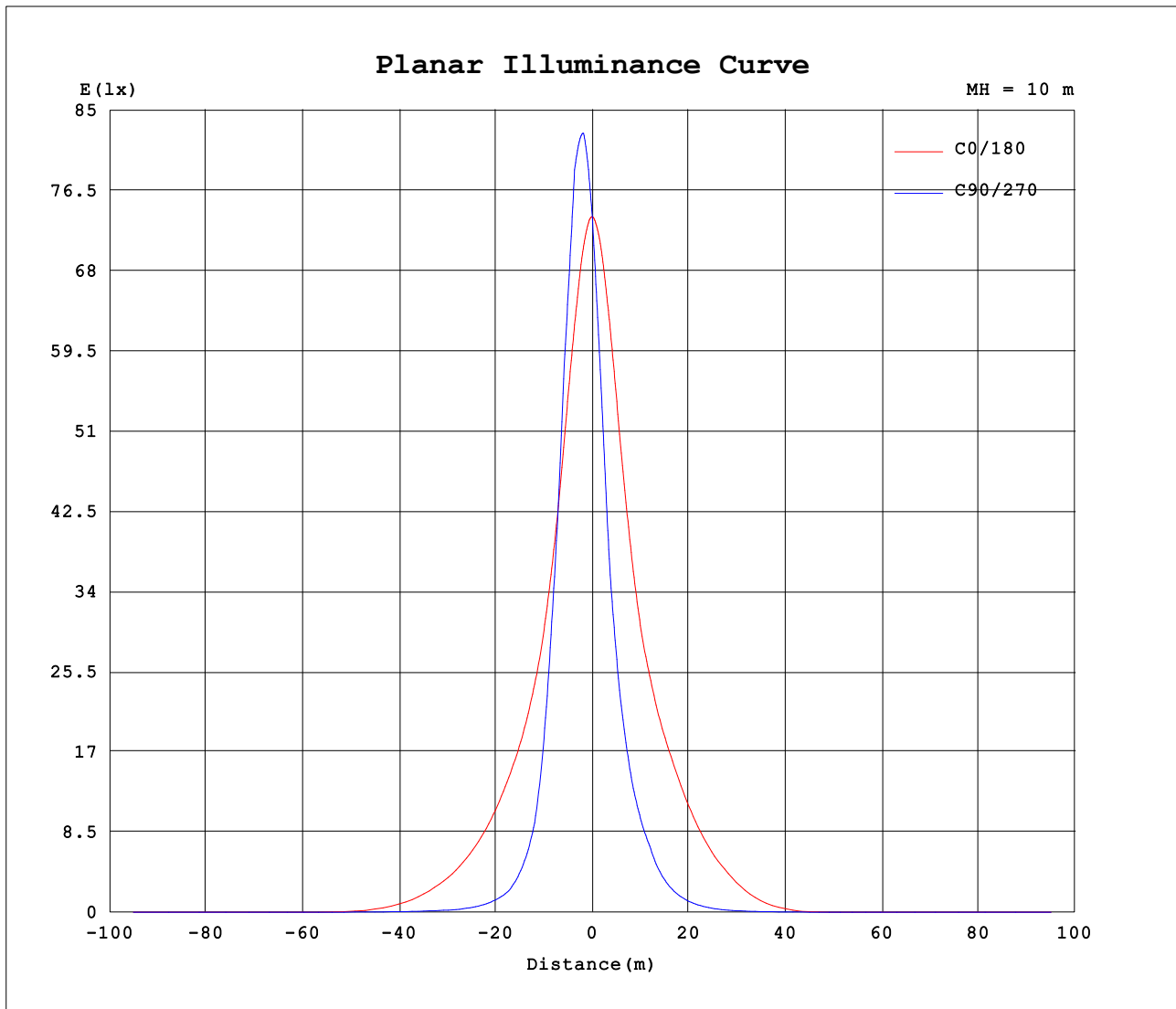
Test:U:220.8V I:0.8394A P:181.4W PF:0.9788 Lamp Flux:25470.7x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



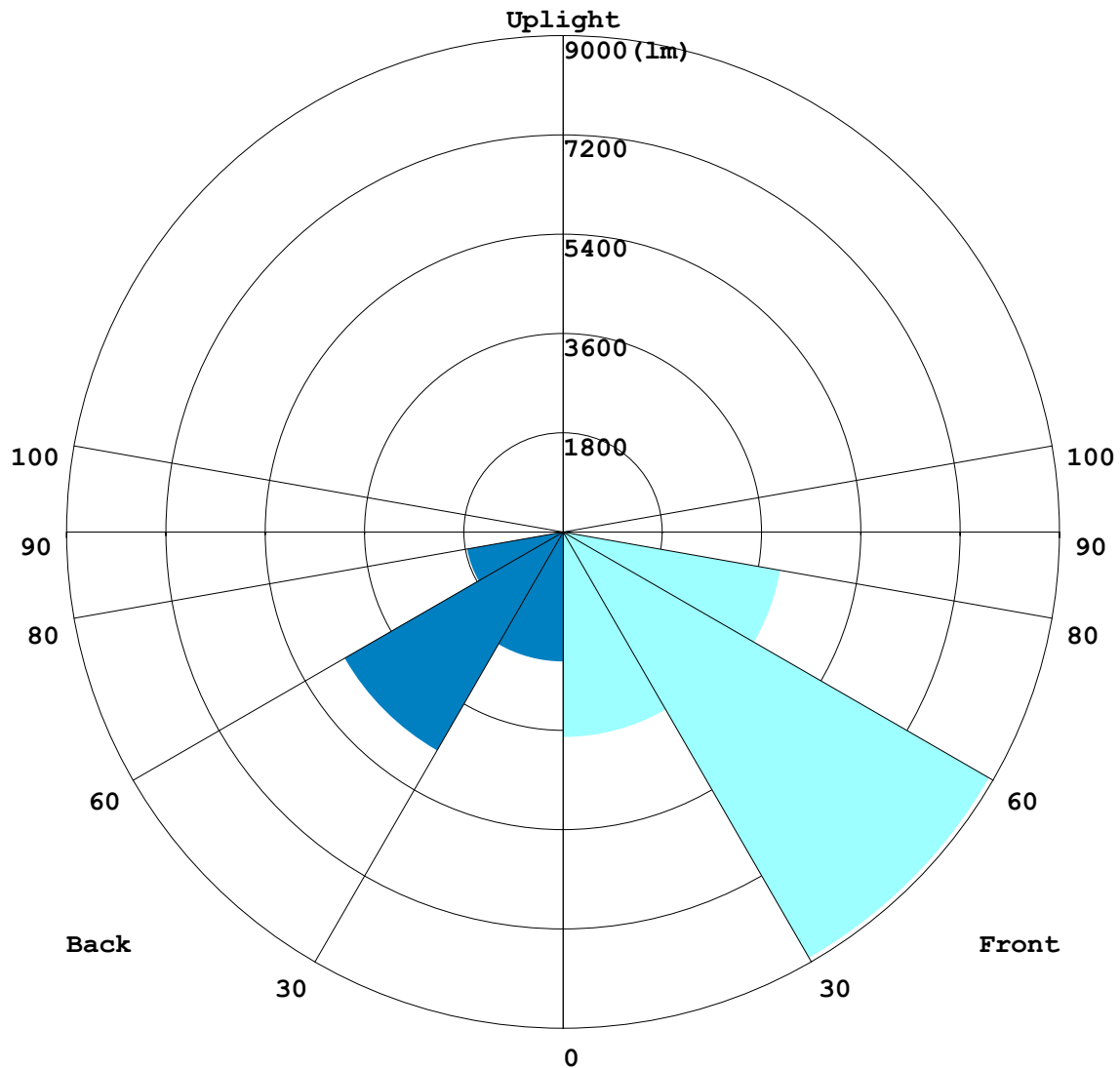
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.8V I:0.8394A P:181.4W PF:0.9788 Lamp Flux:25470.7x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.8V I:0.8394A P:181.4W PF:0.9788 Lamp Flux:25470.7x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3716.9	14.6
FM - Front-Medium(30-60)	8912.3	35.0
FH - Front-High(60-80)	3996.5	15.7
FVH - Front-Very High(80-90)	116.43	0.5
Total Forward Light	16742	65.7

BL - Back-Low(0-30)	2347.4	9.2
BM - Back-Medium(30-60)	4574.3	18.0
BH - Back-High(60-80)	1766.5	6.9
BVH - Back-Very High(80-90)	40.35	0.2
Total Back Light	8728.5	34.3

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8728.5	0	8728.5
Street Side	16742	0	16742

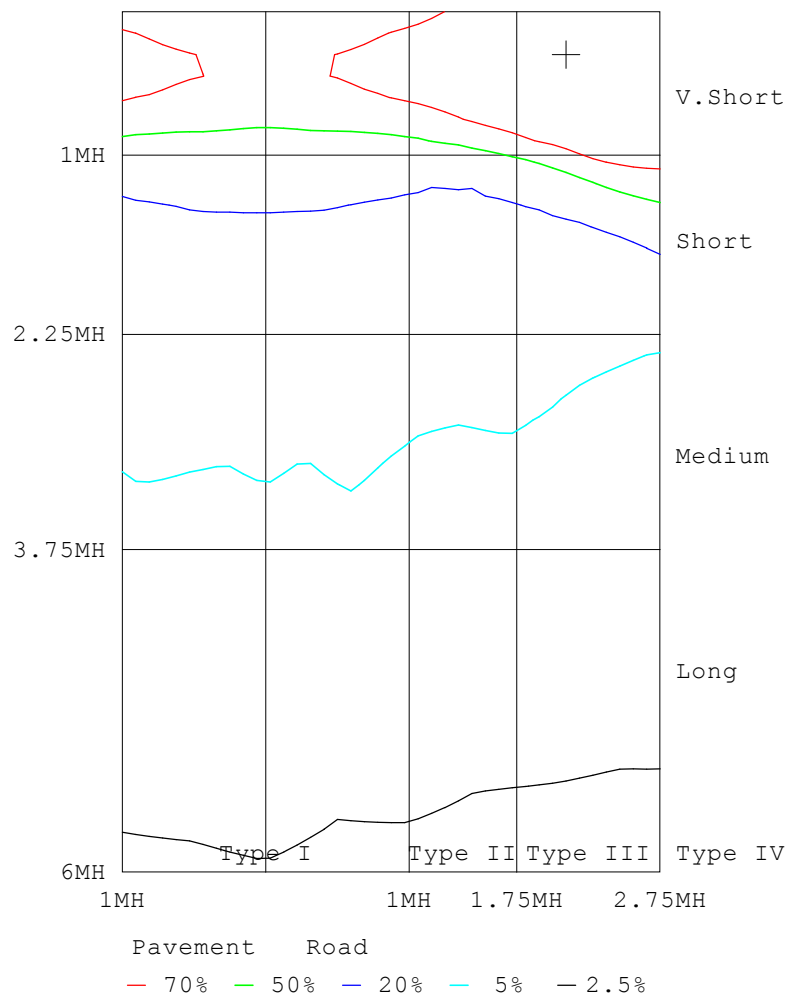
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.8394A P:181.4W PF:0.9788 Lamp Flux:25470.7x1 lm		
NAME: OPCITYIII-180W-4070-6C1T2M-0610	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```